

CLAIMS:

1. An optical record carrier comprising a recording layer having substantially parallel tracks for recording information in a pattern of optically detectable marks, the tracks being provided with wobbled grooves and predetermined positions at regular intervals along the tracks, part of the predetermined positions forming information positions on which
5 information is stored in the form of pits, characterised in that the phase of the wobble at the information positions is adapted to the presence of a pit at such a predetermined position, and the wobble changes phase between each two subsequent predetermined positions of which one of the positions contains no pit and the other position is an information position containing a pit.
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2. Optical record carrier according to Claim 1, wherein the number of periods of the wobble on the record carrier having a phase pertaining to an information position containing no pit is larger than the number of periods of the wobble having a different phase.
- 15 3. Optical record carrier according to Claim 1, wherein the predetermined positions are arranged in cells, and the first period of the wobble after the start of the cell pertains to an information position having a pit.
4. Optical record carrier according to Claim 1, wherein the wobble has a minimum
20 value at an information position with pit and a maximum value at an information position without pit.
5. Optical record carrier according to Claim 1, wherein the information positions are grouped in series and the wobble in between the series of information positions in the track
25 direction represents information.
6. Optical record carrier according to Claim 5, wherein the information in the wobble is encoded by phase-shift keying.

7. Optical record carrier according to Claim 1, wherein the predetermined positions are arranged between neighbouring grooves.
8. Optical record carrier according to Claim 7, wherein the phase of the wobble of only one of the neighbouring grooves is adapted to the presence of a pit at an information position.
9. Optical record carrier according to Claim 7, wherein the phases of both neighbouring grooves are adapted to the presence of a pit at an information position and the wobbles of both neighbouring grooves are in anti-phase.
10. Optical record carrier according to Claim 1, wherein the information positions are grouped in doublets of two neighbouring predetermined positions, and one pit is present in each doublet.
11. Optical record carrier according to Claim 1, wherein land portions are arranged between neighbouring grooves, and land portions are alternatingly provided with pits and without pits.